



US Army Corps of Engineers  
**BUILDING STRONG**  
Missouri River  
Joint Information Center



## Operation “Mighty MO” Press Kit



**US Army Corps  
of Engineers®**  
Northwestern Division

## **BG John R. McMahon** **Commander and Division Engineer**

---



Brigadier General John R. McMahon assumed command of the Northwestern Division, U.S. Army Corps of Engineers, on November 20, 2009.

In this position, he oversees an annual program of more than \$3.7 billion in civil works, environmental restoration, and military construction in more than a dozen states, primarily within the Columbia and Missouri river basins. BG McMahon directs Corps of Engineers' efforts with those of other federal, state and local agencies, the Army and Air Force, the Administration and the Congress to ensure that the Corps delivers superior performance for the Nation.

As Division Commander, he is responsible for providing guidance and direction to five operating district commands located in Portland, OR, Seattle and Walla Walla, WA, Kansas City, MO, and Omaha, NE, with a combined professional workforce of nearly

5,000 DA civilians. Key missions include support to military installations and civilian communities throughout the region, managing the nation's water resources infrastructure for economic growth and environmental sustainability, and strengthening national security.

Prior to this assignment, BG McMahon served as Director of Engineering, U.S. Forces-Afghanistan, Jan - Oct 2009. Earlier assignments include: Division Commander, U.S. Army Engineer Division, South Pacific, San Francisco, CA, Aug 2006 - Jan 2009; Chief of Staff at Corps Headquarters in Washington D.C., Jul 2004 - Jul 2006; and Commander and District Engineer, Japan Engineer District, Camp Zama, Japan, Jul 2001 - Jun 2004.

His numerous stateside and overseas assignments also include serving as Chief of the U.S. European Command Customer Operations Division, and Plans Officer, U.S. Pacific Command, National Imagery and Mapping Agency, 1998-2001; Commander, 70th Combat Engineer Battalion, Ft. Riley, KS, 1995-1997; and Professor of Military Science, Rose-Hulman Institute of Technology, Terre Haute, IN, 1993-1995. From 1990-1993, he served consecutively as the Director of Engineering and Housing for the Aschaffenburg Military Community; Brigade Engineer, 3rd US Infantry Division (3ID), Kuwaiti Theater of Operations; Assistant Division Engineer for 3ID in Wuerzburg; and Battalion Executive Officer, 10th Combat Engineer Battalion, in Schweinfurt, Germany.

BG McMahon was commissioned through the Reserve Officers Training Corps (ROTC) Program at Syracuse University where he earned a Bachelor of Science degree in Biomedical Engineering in 1977. He subsequently earned master's degrees in Applied Mathematics at the Naval Postgraduate School, Monterey, CA, and in National Resource Strategy from the National Defense University.

His military education includes the Engineer Officer Basic and Advanced Courses, the Mapping, Charting & Geodesy Officer Course, the Command and General Staff College, and the Industrial College of the Armed Forces. He is a registered Professional Engineer in the Commonwealth of Virginia.

BG McMahon's awards include the Defense Superior Service Medal (1 Oak Leaf Cluster), the Legion of Merit (2 Oak Leaf Clusters), Bronze Star Medal, the Meritorious Service Medal (3 Oak Leaf Clusters) and the Army Commendation Medal, among others.



**US Army Corps  
of Engineers**  
Northwestern Division

# Witt Anderson

## Senior Executive Service Regional Director of Programs



Witt Anderson entered the Senior Executive Service on January 20, 2008 as the Regional Director of Programs, Northwestern Division, U.S. Army Corps of Engineers.

Through the Division's headquarters in Portland, Oregon, and a Missouri River regional office in Omaha, Nebraska, Anderson oversees approximately a \$3 billion annual program of water resource projects, military construction, and environmental restoration activities throughout the Columbia and Missouri river basins in an area comprising about a fourth of the continental U.S.

A large part of the \$800 million annual civil works mission is earmarked for maintaining and operating Corps projects for hydroelectric, navigation, and flood damage reduction purposes, disaster response, and enhancing fish and wildlife activities in 12 states. The program also includes implementation of the Clean Water Act 404(b) regulatory permit program, and emergency response to natural and man-made disasters. The program is implemented through five district offices in Kansas City, Mo.; Omaha, Neb.; Portland; and Seattle and Walla Walla, Wash. A nearly \$2 billion military construction program, among the largest since World War II, supports Army Transformation, Modularity and Base Realignment and Closure activities. An annual \$460 million environmental clean-up program, which includes cleanup of formerly used defense sites, encompasses 14 states.

Anderson, a 32-year Corps veteran, previously served as Chief of Planning, Environmental Resources and Fish Policy for Northwestern Division with a focus on regional salmon recovery programs. From June 2009-Feb 2010, he served as the Director, Joint Programs Integration Office, Joint Forces Engineer Command, U.S. Forces-Afghanistan. He earned a bachelor's degree in biology from the University of Maine (1976), a master's degree in natural resources management from the University of Idaho (1984), and served a year with the House Appropriations Energy and Water Development Subcommittee.

His awards include the Superior Civilian Service Award and the Commander's Award for Civilian Service, among numerous others.

---



**US Army Corps  
of Engineers®**  
Omaha District

## **COL Robert J. Ruch** **Commander, Omaha District**

---



Col. Robert J. Ruch is the Commander and District Engineer of the Omaha District, U.S. Army Corps of Engineers, headquartered in Omaha, Nebraska. He has held this position since September 3, 2009.

Col. Ruch oversees an annual workload exceeding \$1 billion spread over 1,200 military construction projects in eight states, civil works projects in nine states, and environmental restoration projects in 41 states. Nearly 1,300 civilian men and women operate six major dams on the Missouri River as well as 21 tributary dams for congressionally-authorized purposes as well as regulatory and real estate programs that benefit the Nation. He also oversees the design and construction of facilities for the Army and Air Force in his 700,000- square-mile area of operations, and the cleanup of hazardous, toxic and radioactive waste sites for the Department of Defense and the Environmental Protection Agency.

Col. Ruch came to Omaha from the U.S. Army War College in Carlisle, Pa. Prior to that, he served as the Division Engineer for the 1st Cavalry Division, at Fort Hood, Texas. As the Division Engineer, he deployed to Iraq and served as the Deputy of the Baghdad Provincial Reconstruction Team under the State Department.

Commissioned from the Shippensburg University of Pennsylvania ROTC program as a Distinguished Military Graduate in 1986, Ruch began his military career with the 7th Engineer Battalion, 5th Infantry Division (Mechanized), at Fort Polk, La., as a Platoon Leader and Company Executive Officer. Follow-on assignments included Liaison Officer and Company Commander with the 2nd Engineer Battalion, 2nd Infantry Division at Camp Castle, Republic of Korea, and the Live Fire Engineer Trainer for the National Training Center at Fort Irwin, Calif. He then served as an Operations Officer in the Pittsburgh District, U.S. Army Corps of Engineers, before moving to Fort Riley, Kan., as the S3 of the 1st Engineer Battalion, and then of the 937th Engineer Group (Combat).

Following that he served at the Supreme Headquarters Allied Powers Europe, Belgium, where he was the Senior Staff Officer for NATO Infrastructure in Crisis Response Operations dealing with construction in Afghanistan and in the Balkans. He then served as the 53rd Commander of the Philadelphia District of the U.S. Army Corps of Engineers.

Col. Ruch holds a Bachelor of Science Degree in geo-environmental science from Shippensburg University, a master's degree in engineering management from St. Martin's College and a master's degree in strategic studies from the U.S. Army War College. He is a graduate of the Engineer Officer Basic and Advanced Courses, the U.S. Army Command and General Staff College and the Sapper Leader Course.

His military decorations include the Bronze Star, Defense Meritorious Service Medal, the Army Meritorious Service Medal (five oak leaf clusters), Army Commendation Medal (two oak leaf clusters), Coast Guard Commendation Medal, Department of State Meritorious Honor Award, Army Achievement Medal, National Defense Service Medal (two awards), Iraqi Campaign Medal, Global War on Terrorism Service Medal, Korean Defense Service Medal, Army Service Ribbon, Overseas Service Ribbon (three tours), the Army Superior Unit Award, and the Combat Action Badge.



**US Army Corps  
of Engineers®**  
Kansas City District

## **COL Anthony J. Hofmann, PMP**

### **Commander and District Engineer, Kansas City District**

---



Colonel Anthony J. “Tony” Hofmann enlisted in the U.S. Army in 1984 and graduated from the U.S. Military Academy Preparatory School in 1986. He was commissioned a second lieutenant in the U.S. Army Corps of Engineers after graduating from the U.S. Military Academy at West Point in 1990. Colonel Hofmann holds a Bachelor of Science Degree from the U.S. Military Academy, a Master of Science Degree in Construction Management from Colorado State University and a Master of Science Degree in National Resource Strategy from the Industrial College of the Armed Forces. He is a certified Project Management Professional.

Colonel Hofmann has held a variety of troop assignments, primarily in divisional mechanized combat engineer battalions. He served as a lieutenant in the 10th Engineer Battalion, 3rd Infantry Division in Kitzingen, Germany as well as the 40th Engineer Battalion, 1st Armored Division, in Baumholder, Germany; commanded Alpha

Company as well as Headquarters and Headquarters Company, 4th Engineer Battalion, Fort Carson, Colorado; and was the operations officer in both the 937th Engineer Group and 70th Engineer Battalion, 1st Armored Division, Fort Riley, Kansas. He also served in the Army’s Senior Leader Development Office in Rosslyn, Virginia as the assignment officer for Chemical, Engineer and Military Police colonels.

His combat and operational experience includes Operation Iraqi Freedom supporting the 3rd Infantry and 1st Armored Divisions; Intrinsic Action in Kuwait with 3rd Brigade, 4th Infantry Division; and deployment to Kuwait in support of Task Force 3-77 Armor, 3rd Infantry Division.

This is Colonel Hofmann’s third tour with the U.S. Army Corps of Engineers. From 2006 to 2008 he commanded the Walla Walla District, responsible for the execution of a diverse civil works program over 107,000 square mile area encompassing parts of six states. Earlier he served in the New Orleans District as a project engineer, project manager and Chief of Safety, Security and Occupational Health.

Colonel Hofmann’s military education includes the Engineer Officer Basic and Advanced Courses, and the U.S. Army Command and General Staff College. His awards and decorations include the Bronze Star Medal (two awards), the Army Meritorious Service Medal (five awards), the Army Commendation Medal (four awards, including Valor Device), the Army Achievement Medal (four awards), the Army Good Conduct Medal, the Southwest Asia Service Medal with service star, the Iraq Campaign Medal, the Humanitarian Service Medal, the Medal for the Liberation of Kuwait, the Bronze Order of the DeFleury Medal, the German Armed Forces Efficiency Badge (Silver), Parachutist Badge, Army Staff Identification Badge, Ranger Tab and the Combat Action Badge.



**US Army Corps  
of Engineers** ®  
Northwestern Division

## **Jody Farhat**

### **Chief, Water Management Division**

Jody Farhat has served as the Chief of the Missouri River Basin Water Management office since May 2009. Her office, which is part of the Corps of Engineers' Northwestern Division, is located in Omaha, Nebraska. She and her staff regulate the six Corps' dams on the main stem of the Missouri River to serve the Congressionally authorized project purposes. Jody has spent the past 22 years of her career working in all aspects of Missouri River Water Management. Prior to coming to the Northwestern Division, she worked in the Hydrologic Engineering Branch of the Corps' Omaha District.

Jody is native of Iowa, and has a bachelor's degree in Civil Engineering from the University of Iowa. She is a Registered Professional Engineer in the State of Nebraska.



**US Army Corps  
of Engineers®**

Omaha District

---

## **Kimberly S. Thomas** **Readiness Branch Chief**



Kim Thomas currently serves as the Chief of Readiness Branch within Operations Division, for the Omaha District, U.S. Army Corps of Engineers (USACE).

As Chief of Readiness Branch, Thomas serves as primary advisory to the District Commander on emergency and disaster preparedness, response, and recovery activities associated with both natural disasters and national security emergencies. The Omaha District is the most expansive district in USACE. Its boundaries cover more than 540,000 square miles and seven States.

Ms. Thomas began her career with the U.S. Army Corps of Engineers in 2000. Prior to becoming the Chief of Readiness Branch, she served as a Geotechnical Engineer with the Omaha District. She has deployed numerous times in support of natural disasters serving as Mission Manager for both Temporary Roofing and Housing Missions for both the 2004 Florida Hurricanes and Hurricane Katrina, and most recently serving as the Lead Geotechnical Engineer for the Hurricane Protection Office in New Orleans, LA in the aftermath of Hurricane Katrina.

Kim graduated from Midland Lutheran College in 1999 with a Bachelor of Science degree in Biology and from the University of Nebraska in 2002 with a Bachelor of Science degree in Civil Engineering.

Ms. Thomas is a licensed professional engineer in the State of Nebraska. She enjoys outdoor activities, golfing, fishing, reading, traveling, and attending college sporting events.



**US Army Corps  
of Engineers.**

## **Jud Kneuvean**

### **Chief, Emergency Management Branch**

Jud Kneuvean has served as Chief of the Emergency Management Branch since August 2008. The Emergency Management Branch of the Kansas City District is responsible for preparing the district to respond and recover from all major incidents or catastrophic events (man-made and natural). He is considered an expert in flood response and recovery under Public Law 84-99. Jud joined the Kansas City District in 1992 and has since developed a diverse background related to issues in and along the lower Missouri River.

Jud grew up in Glasgow, Mo. He holds a Bachelor of Science degree in biology from Southwest Missouri State University. He is currently pursuing a Master's Certificate in Emergency Management from George Washington University.



**US Army Corps  
of Engineers®**

Omaha District

## **John J. Bertino, Jr. Chief, Engineering Division**

---



John Bertino is the Chief, Engineering Division, for the Omaha District, U.S. Army Corps of Engineers.

As Chief of Engineering Division, Mr. Bertino oversees 260 employees dedicated to design and design oversight of civil works, military, and hazardous, toxic and radioactive waste (HTRW) projects, primarily across the upper Midwest from Wisconsin to Colorado; and oversight of two mandatory centers of expertise with world-wide missions.

Most of his career has been spent in Engineering Division within the Omaha District. However, he has worked as a project manager and served as the Acting Assistant Chief of Operations Division.

Bertino is a native of Omaha, Nebraska. He received his Bachelor of Science degree in civil engineering from the University of Nebraska. His area of specialty is geotechnical engineering. He has been a registered professional engineer in the state of Nebraska since 1990.

John and his wife, Jennifer, have six children.



**US Army Corps  
of Engineers®**  
Omaha District

## **John I. Remus, P.E. Chief, Hydrologic Engineering Branch**

---



John Remus is the Chief of the Hydrologic Engineering Branch, Engineering Division, for the U.S. Army Corps of Engineers, Omaha District.

John is responsible for resource management and engineering and scientific support to the water resources mission of the Omaha District. This includes design of flood control, channel stabilization, environmental restoration and navigation projects throughout the upper Missouri River basin. Hydrologic Engineering Branch is also responsible for the day-to-day operations of 26 tributary projects, and provides data collection and data base management

support to Northwestern Division for the operation of the six main stem Missouri River projects.

John was born and raised in west-central Nebraska. He earned a Bachelor of Science degree in civil engineering in 1982 and a Master of Science degree in engineering in 1985, both from the University of Nebraska. He is a registered professional engineer in the state of Nebraska.

John has been with the Corps in Omaha for more than 20 years. He has served as a river engineer, as a project manager, a contracting officer's representative, a section chief, and branch chief. John is co-chair of the Corps' Committee on Channel Stabilization and has been a member of several research and development field review groups. John is a member of American Society of Civil Engineers, and has held a number of leadership positions with the Omaha Post of the Society of American Military Engineers.

John and his wife, Pat, have two children, Rebekah and Jack. John enjoys golfing and pheasant hunting.



**US Army Corps  
of Engineers**®  
Kansas City District

## **Rex Goodnight**

*Chief, Engineering Division*

---

**Rexford G. Goodnight** is the Chief of the Kansas City District Engineering Division. In 2007, he became the Chief of Engineering & Construction for the Kansas City District after serving as the Kansas Area Engineer and District Chief of Construction. In 2008, he led the reorganization effort that separated Engineering and Construction into two Divisions to accommodate workload. In 2009, Rex volunteered to work in Afghanistan for one year as the Chief of E&C for AED-North.

Rex enlisted in the U.S. Air Force in 1975 and spent four years serving as a nuclear weapons specialist. He then earned a Civil Engineer degree from Virginia Tech while working as a co-op student with USACE. His professional career began with USACE, immediately upon graduation, at the Radford Army Ammunition Plant, Radford, Virginia. Subsequent assignments include positions as the Deputy Command Engineer for the 32nd Army Air Defense Command, Darmstadt, Germany; ODCSENGR NATO Programmer, Heidelberg, Germany; Resident Engineer at the Greenwood Chemical Superfund Site, Area Engineer at SWVAO, Chief Operations for Radford Arsenal, IOC, Chief of Operations, Support and Readiness in Norfolk District, Area Engineer in Norfolk District at Ft. Eustis, Virginia, and Chief of Military Programs at the Norfolk District.

Mr. Goodnight was born in Chambersburg, Pennsylvania. He spent most of his school-age years in Newton Falls, Ohio, but graduated from high school in Wytheville, Virginia.



**US Army Corps  
of Engineers.**

## **Daniel Saniuk**

*Chief, Military Programs*

---



Daniel Saniuk serves as the U.S. Army Corps of Engineers, Northwestern Division's Chief of Military Programs, responsible for execution of the \$1 billion Military Construction (MILCON) program within Northwestern Division's 14-state area of operation.

In his role as Chief Military Programs, Mr. Saniuk provides executive leadership and direction for the Division and its subordinate districts to operate as a Regional Business Center in execution of its assigned missions. Mr. Saniuk is responsible for, strategic planning, corporate objectives, regionalization initiatives and program execution related to the MILCON Program. Program activities,

located within a 14-state area, are implemented by district offices in Kansas City, Missouri; Omaha, Nebraska; and Seattle, Washington.

Mr. Saniuk began his 30+ year career with the U.S. Army Corps of Engineers as a structural design engineer in the Omaha District working in both Civil Works and Military Programs arenas. As a designer he has completed studies and designs for flood control projects, hydraulic structures, as well as maintenance and repair projects for the Missouri River main-stem projects. He has also designed support facilities for the Air Launch Cruise Missile (ALCM) program and B1 and B2 bomber programs. Saniuk has also held a variety of management positions including section supervisor, project and program manager, Chief of Design Branch, and Chief of Military Programs Branch.

Mr. Saniuk holds a degree in civil engineering from the University of Nebraska and has completed master's work in structural engineering. He is also a trained facilitator and has taught multiple leadership and technical classes for the U.S. Army Corps of Engineers. He is registered professional engineer in the state of Nebraska.

A native Nebraskan, Saniuk and his wife, Kate, are the parents of three grown children. They live in Omaha, Neb.

Daniel Saniuk serves as the U.S. Army Corps of Engineers, Northwestern Division's Chief of Military Programs, responsible for execution of the \$1 billion Military Construction (MILCON) program within Northwestern Division's 14-state area of operation.

In his role as Chief Military Programs, Mr. Saniuk provides executive leadership and direction for the Division and its subordinate districts to operate as a Regional Business Center in execution of its assigned missions. Mr. Saniuk is responsible for, strategic planning, corporate objectives, regionalization initiatives and program execution related to the MILCON Program. Program

activities, located within a 14-state area, are implemented by district offices in Kansas City, Missouri; Omaha, Nebraska; and Seattle, Washington.

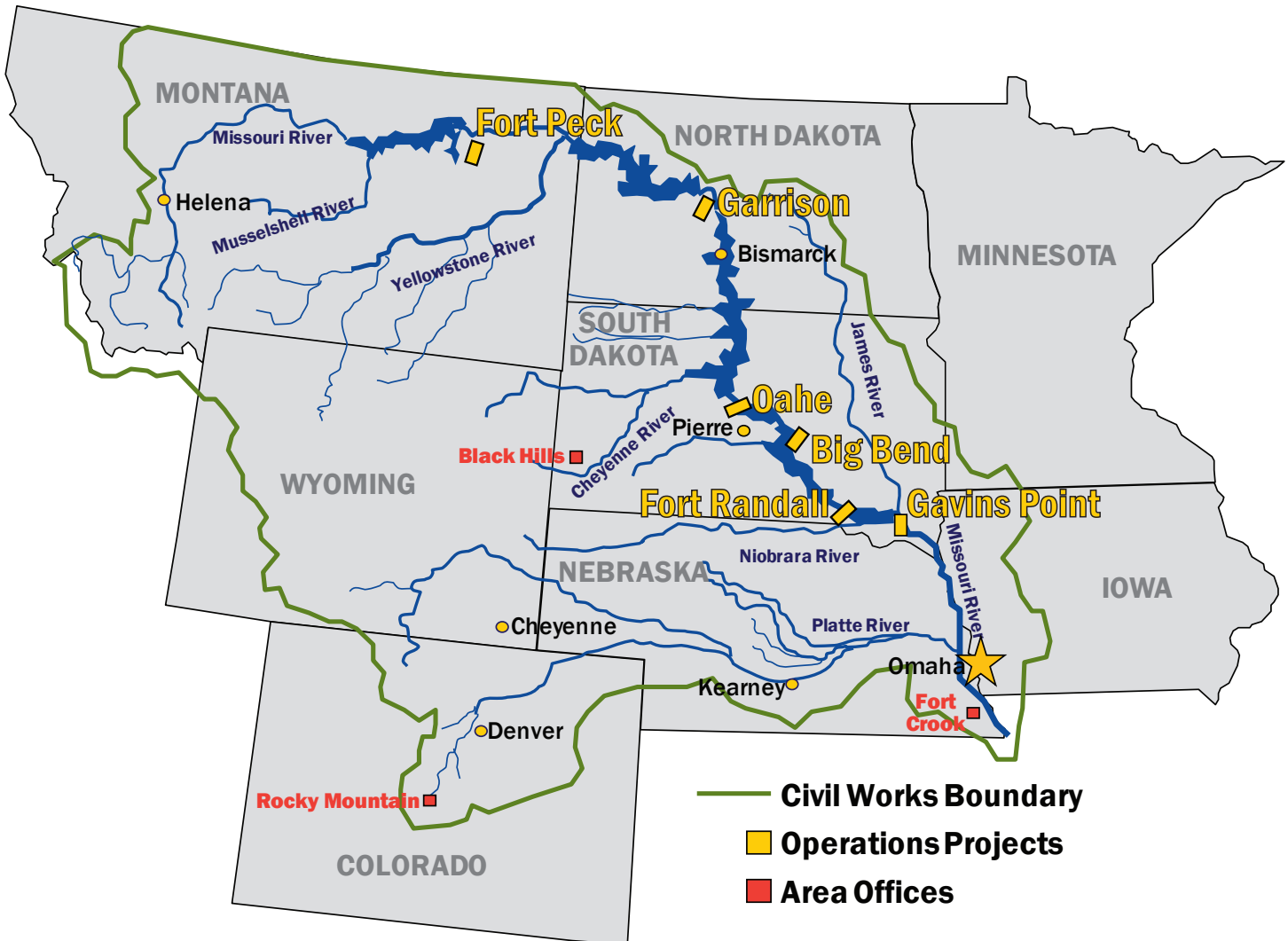
Mr. Saniuk began his 30+ year career with the U.S. Army Corps of Engineers as a structural design engineer in the Omaha District working in both Civil Works and Military Programs arenas. As a designer he has completed studies and designs for flood control projects, hydraulic structures, as well as maintenance and repair projects for the Missouri River main-stem projects. He has also designed support facilities for the Air Launch Cruise Missile (ALCM) program and B1 and B2 bomber programs. Saniuk has also held a variety of management positions including section supervisor, project and program manager, Chief of Design Branch, and Chief of Military Programs Branch.

Mr. Saniuk holds a degree in civil engineering from the University of Nebraska and has completed master's work in structural engineering. He is also a trained facilitator and has taught multiple leadership and technical classes for the U.S. Army Corps of Engineers. He is registered professional engineer in the state of Nebraska.

A native Nebraskan, Saniuk and his wife, Kate, are the parents of three grown children. They live in Omaha, Neb.

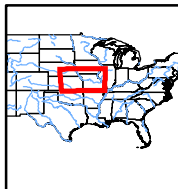
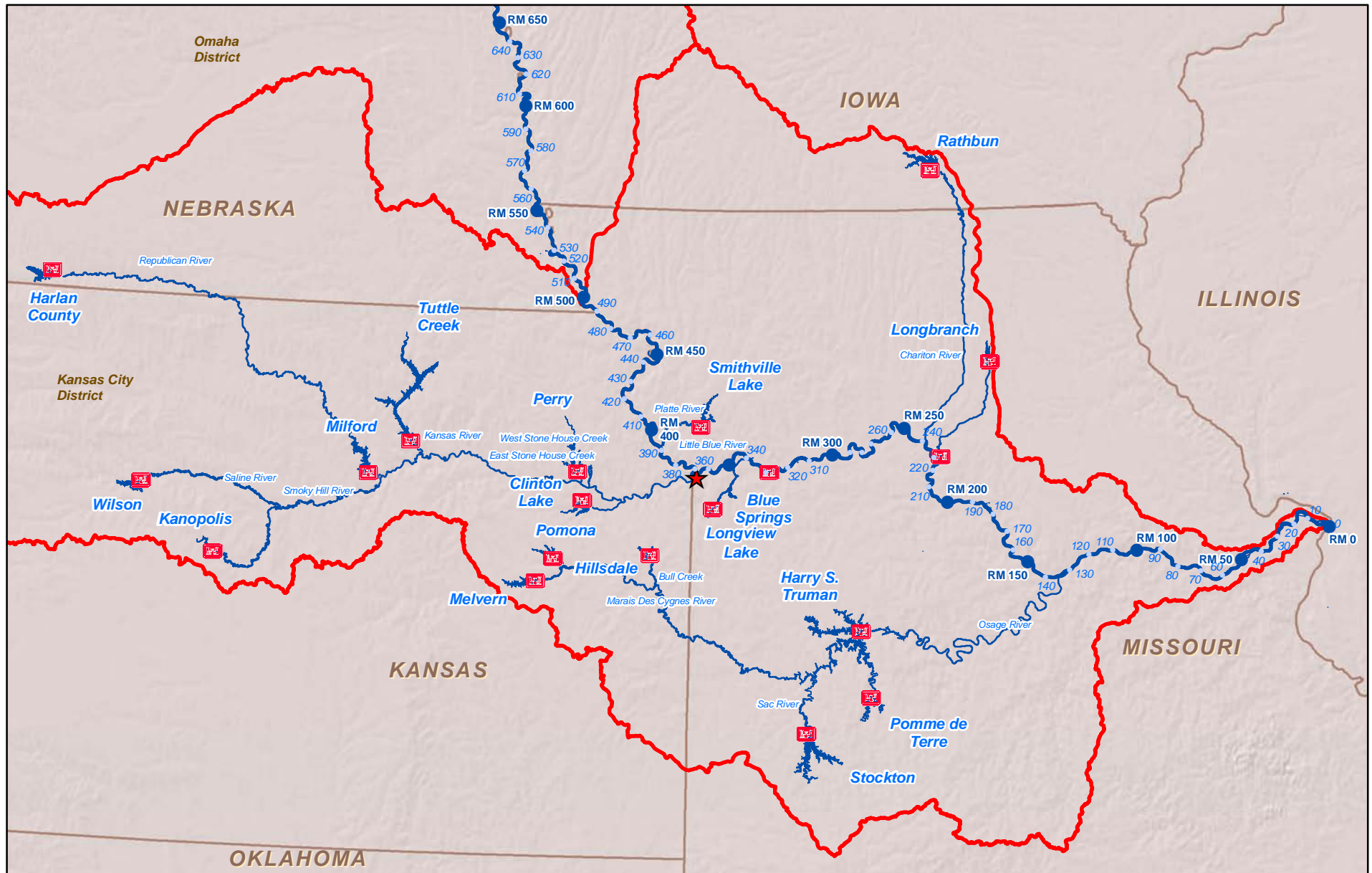
# Missouri River Main Stem System

## Missouri River Watershed





# USACE-NWK Projects



USACE Office Locations



HQ



Lake Office; Project Office

NWK, NWO District Boundaries



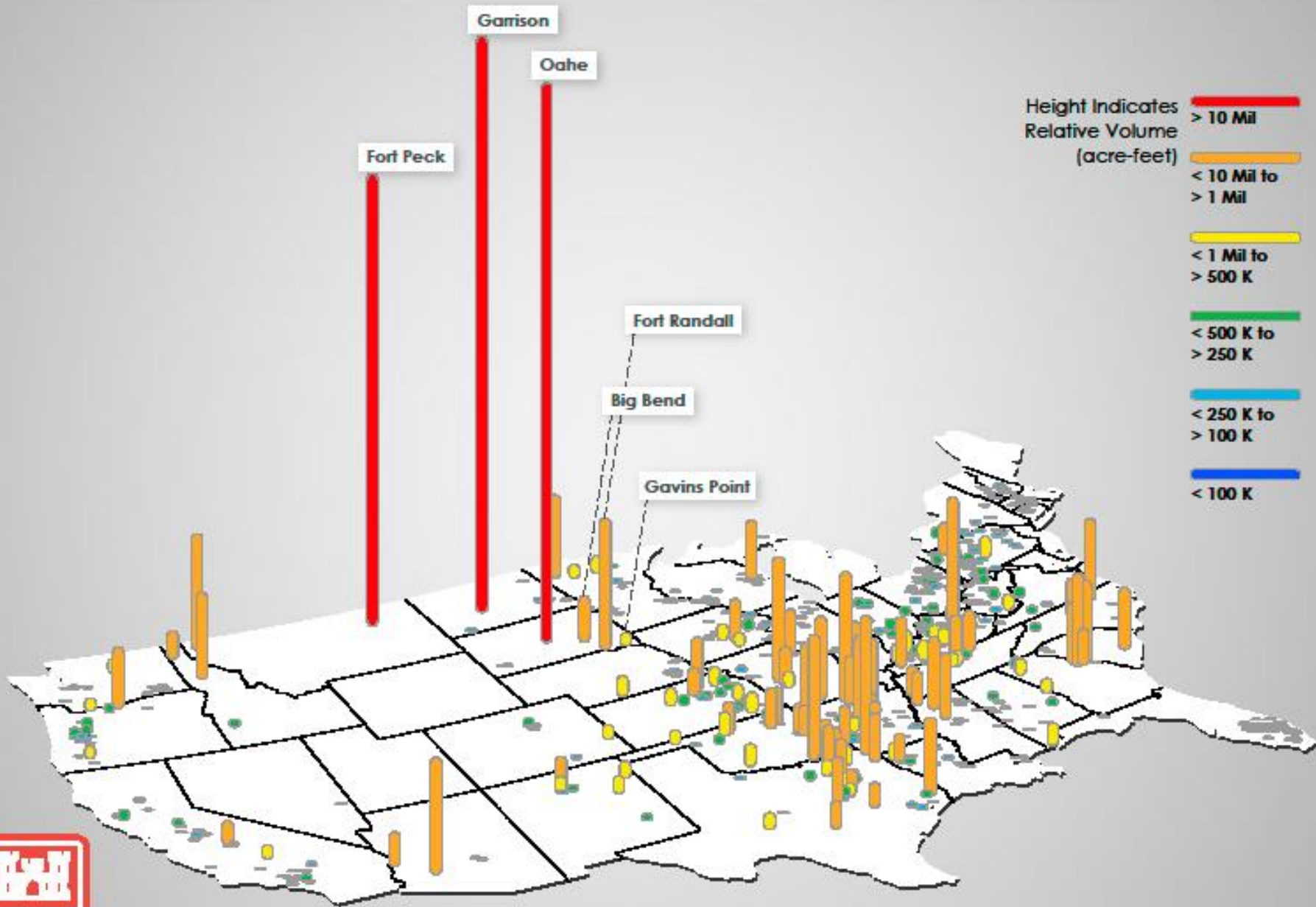
River Miles

0 5 10 20  
Miles



DISCLAIMER: While the United States Army Corps of Engineers, hereinafter referred to as USACE, has made a reasonable effort to ensure the accuracy of the map and associated data, it should be explicitly noted that USACE makes no warranty, representation or guarantee, either express or implied, as to the content, sequence, accuracy, timeliness or completeness of any of the data provided herein. The USACE, its officers, agents, employees, or contractors shall assume no liability for any errors, omissions, or inaccuracies in the information provided regardless of how caused. The USACE, its officers, agents, employees, or contractors shall assume no liability for any decisions made or actions taken or not taken by the user of the map and associated data in reliance upon any information or data furnished here. By using these maps and associated data the user agrees to release of their own risk and explicitly acknowledges that he/she is aware of and agrees to be bound by this disclaimer and agrees not to present any claim or demand of any nature against the USACE, its officers, agents, employees or contractors in any form whatsoever for any damages of any nature whatsoever that may result from or may be caused in any way by the use of the map and associated data.

# Storage Capacity of Corps Reservoirs

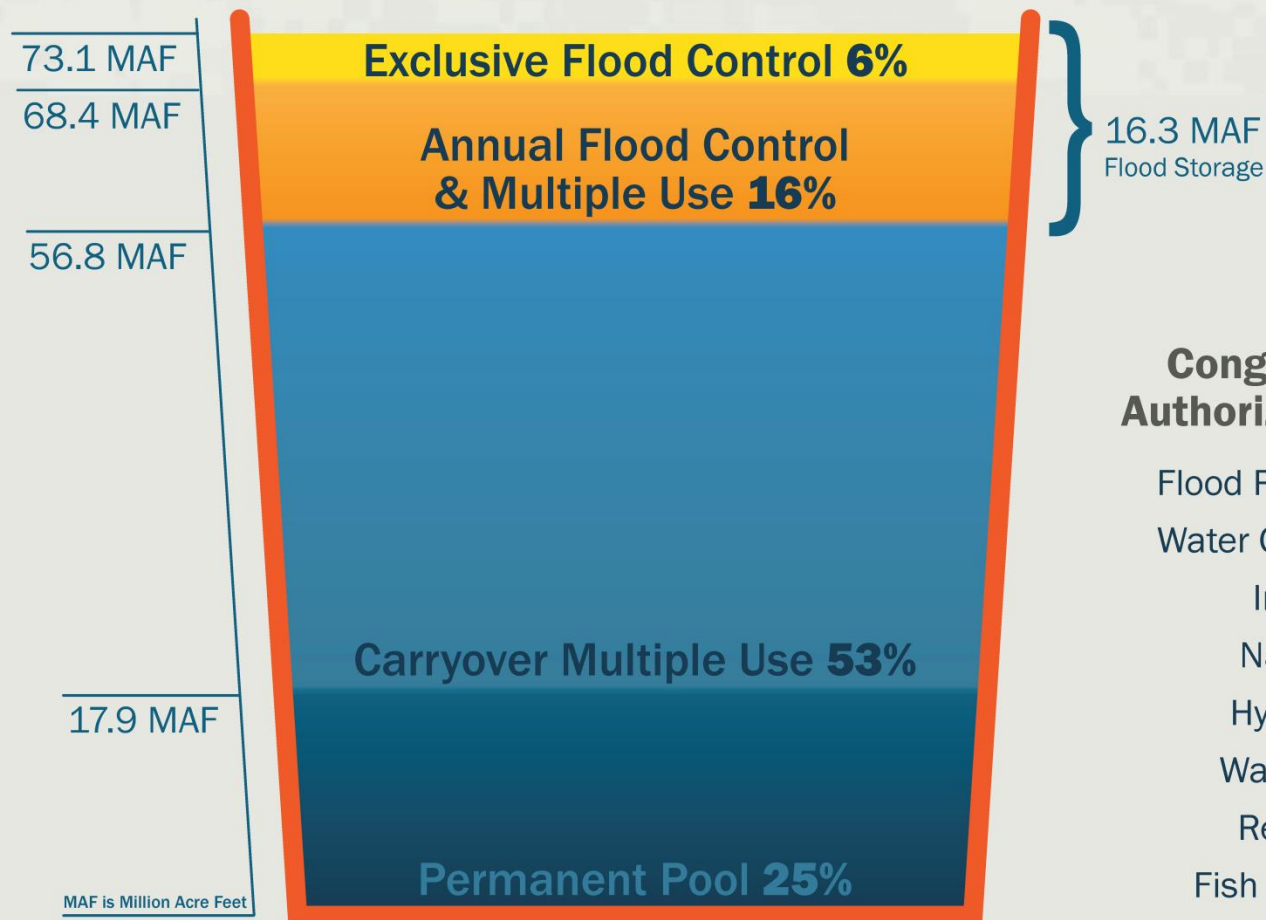




US Army Corps of Engineers  
**BUILDING STRONG**

# Missouri River Main Stem Reservoir System

## Zones & Allocations of the Total Storage Capacity



### Congressionally Authorized Purposes

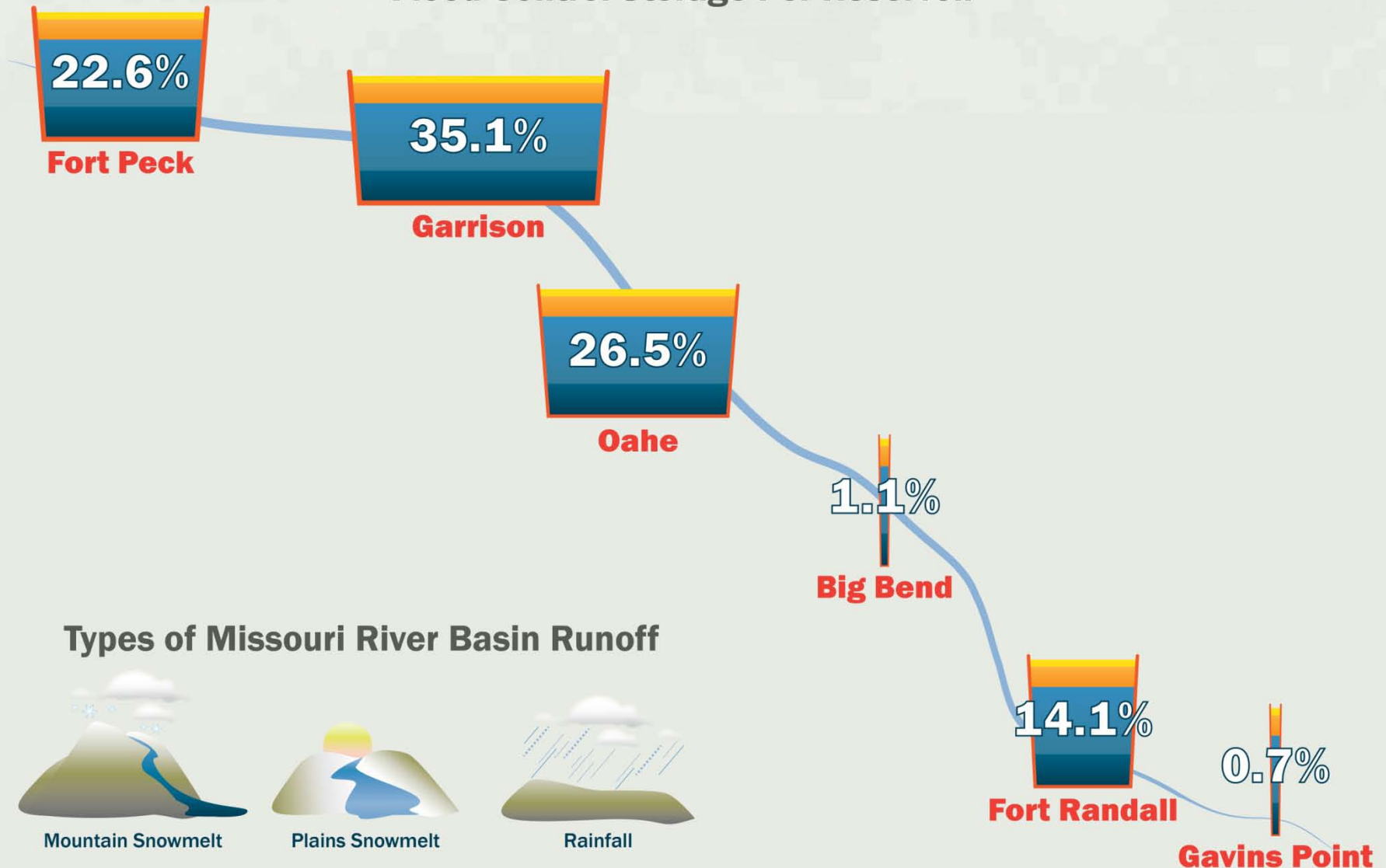
Flood Risk Reduction  
Water Quality Control  
Irrigation  
Navigation  
Hydropower  
Water Supply  
Recreation  
Fish and Wildlife



US Army Corps of Engineers  
**BUILDING STRONG**

# Missouri River Mainstem Reservoir System

Total Percent of System  
Flood Control Storage Per Reservoir



## Types of Missouri River Basin Runoff



Mountain Snowmelt



Plains Snowmelt



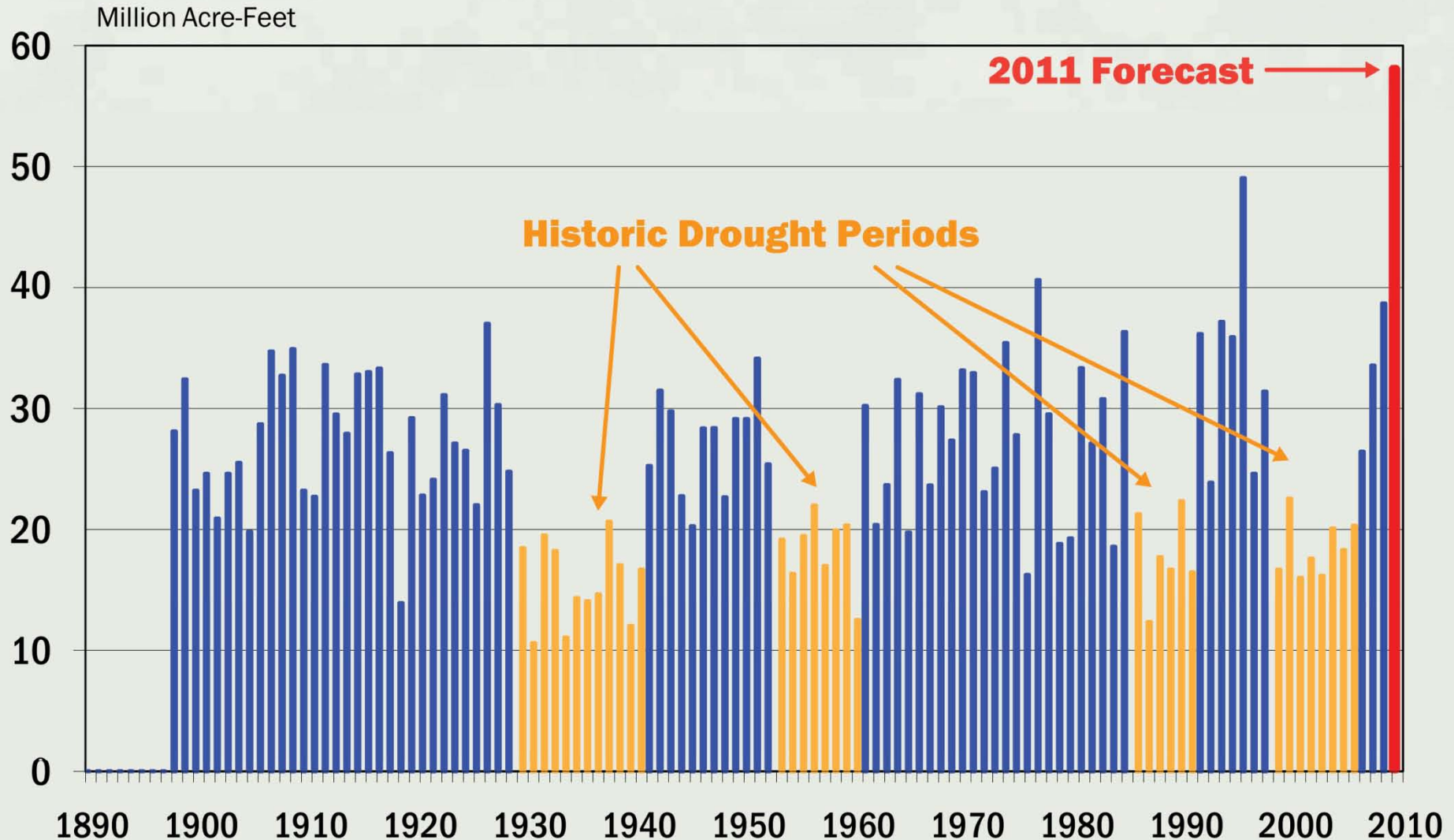
Rainfall



US Army Corps of Engineers  
BUILDING STRONG

# Missouri River Mainstem Reservoir System

Annual Runoff 1898 - 2011\*



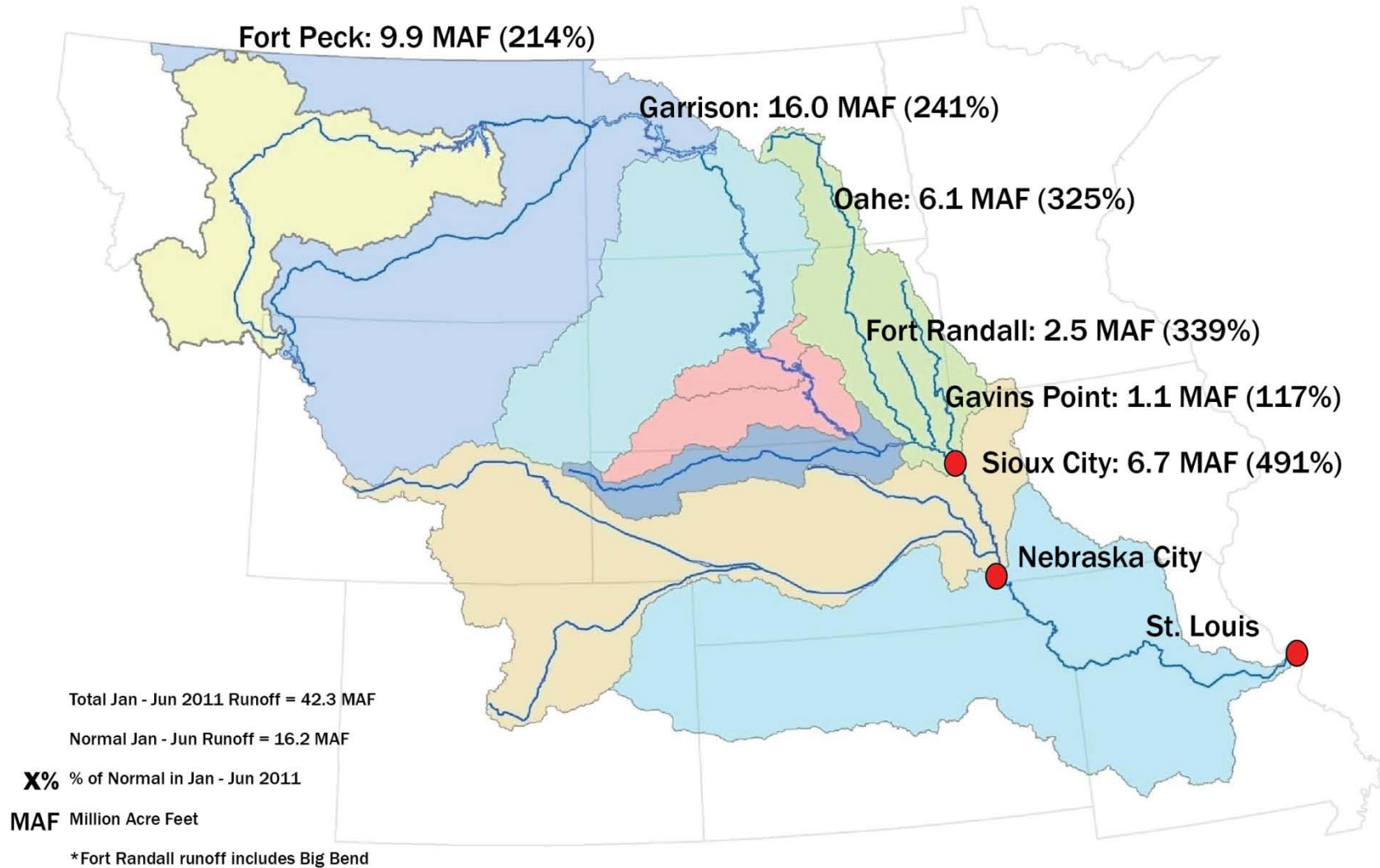
\*Above Sioux City, IA



US Army Corps of Engineers  
**BUILDING STRONG**

# Missouri River Basin

## January - June 2011 Runoff

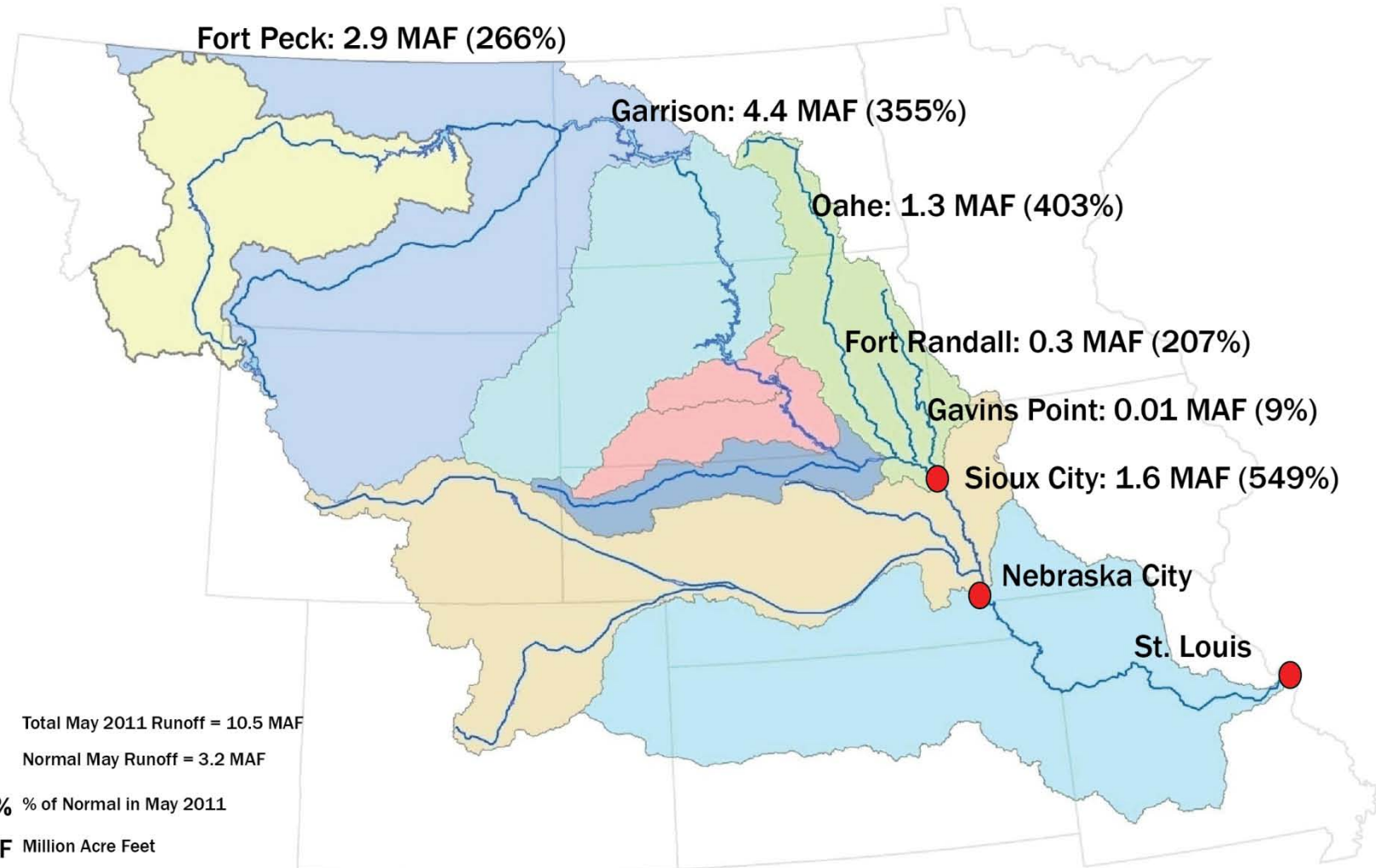




US Army Corps of Engineers  
**BUILDING STRONG**

# Missouri River Basin

## May 2011 Runoff



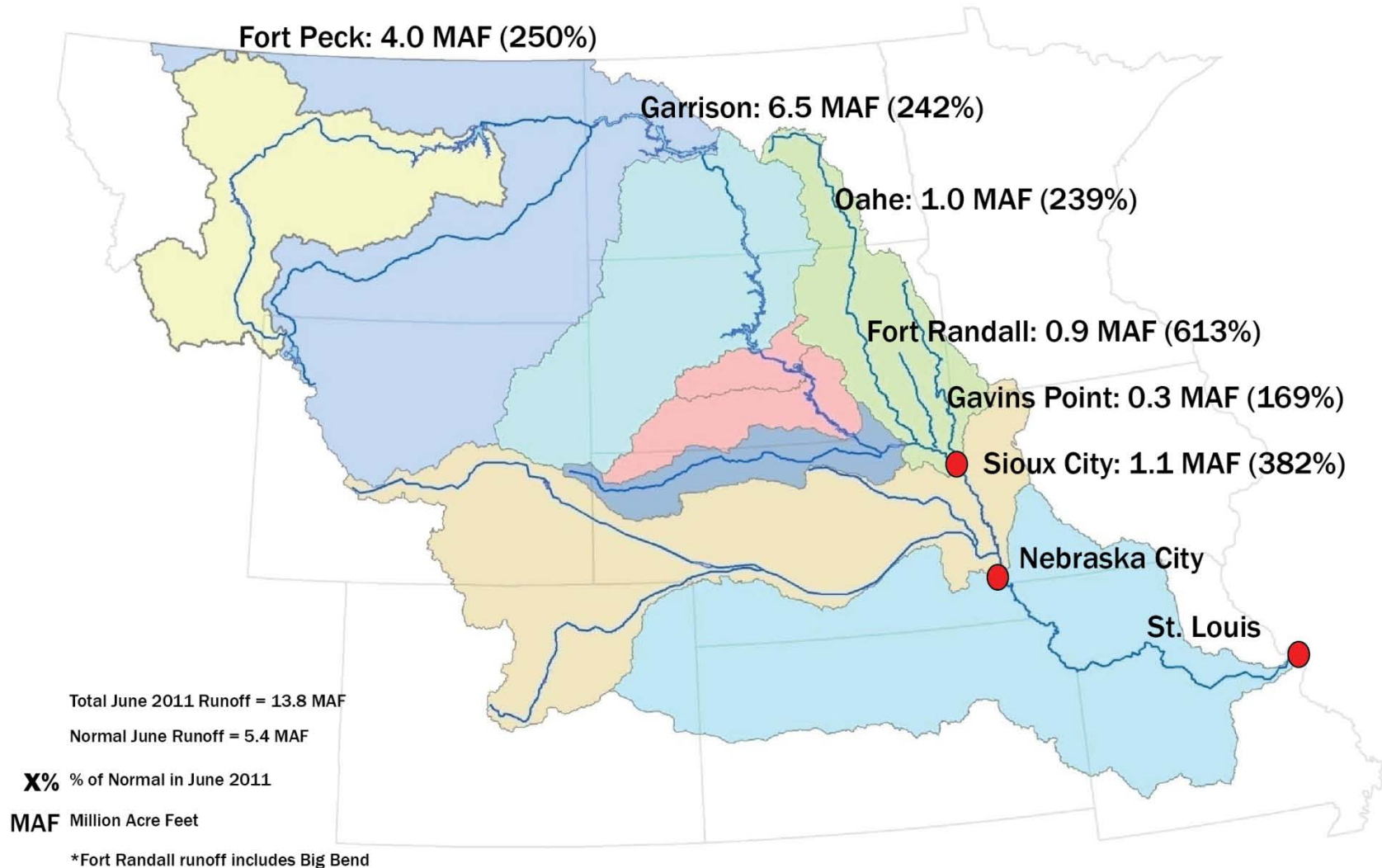
\*Fort Randall runoff includes Big Bend



US Army Corps of Engineers  
**BUILDING STRONG**

# Missouri River Basin

## June 2011 Runoff

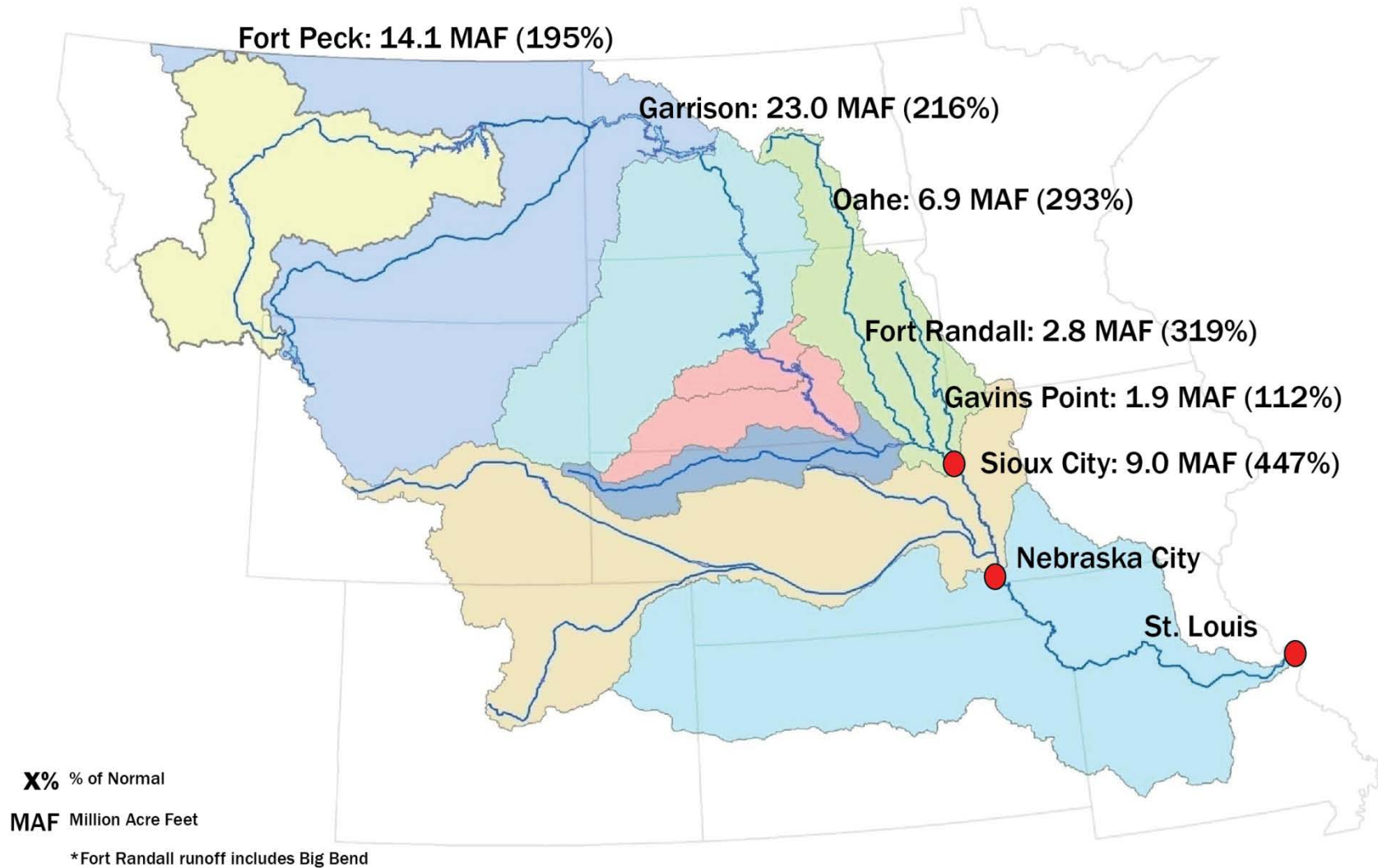




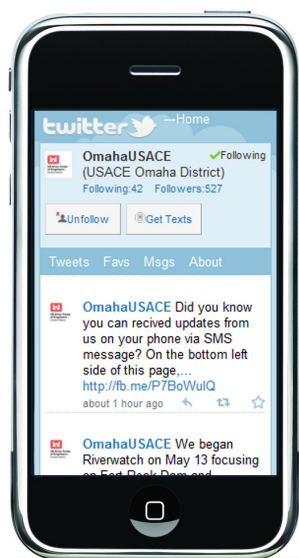
US Army Corps of Engineers  
**BUILDING STRONG**

# Missouri River Basin

## Forecast of Annual Runoff for 2011



# Accurate information where you want it when you need it



Join the **Missouri River Joint Information Center** online or on your phone for the latest information and discussions on the Spring 2011 Flood Response efforts.



## Missouri River Joint Information Center Facebook page

<http://www.facebook.com/OperationMightyMO>

## MRJIC photostream on Flickr

<http://www.flickr.com/photos/omahausace/>

## MRJIC information line

(877) 214-9110 or (402) 996-3877

## US Army Corps of Engineers, Omaha District Facebook page

<http://www.facebook.com/OmahaUSACE>

## USACE, Omaha District Twitter page

<http://twitter.com/OmahaUSACE>

## USACE, Omaha District YouTube channel

<http://www.youtube.com/user/OmahaUSACE>

## USACE, Omaha District website

<http://www.nwo.usace.army.mil/>

## USACE, Kansas City District Facebook page

<http://www.facebook.com/usace.kcd>

## USACE, Kansas City District Twitter page

[http://twitter.com/KC\\_USACE](http://twitter.com/KC_USACE)

## USACE, Kansas City District website

<http://www.nwk.usace.army.mil/>



US Army Corps of Engineers  
**BUILDING STRONG**

Missouri River  
Joint Information Center

